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学科领域 材料科学与工程（复合材料、聚合物加工）

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个人简介

博士，研究员，博士生导师。2002 年 7 月四川大学获材料加工工程专业博士学位。2004 年入选上海高校优秀青年教师后备人选，2007 年入选上海市科技启明星培养计划，2010 年入选上海市曙光学者，2011 年入选教育部《新世纪优秀人才培养计划》，2012 年入选第六届上海青年科技英才，2013 年获得国家优秀青年科学基金，2014 年获得第八届上海市巾帼创新奖和上海市三八红旗手标兵，2014 年入选上海市领军人才，2016 年获第九届中国颗粒学会青年颗粒学奖、2019 年入选上海市学术带头人。现任上海市多级结构纳米材料工程技术研究中心常务副主任、华东理工大学材料科学与工程学院纳米材料化工研究室主任、超细材料制备与应用教育部重点实验室固定成员，兼任中国颗粒学会青年理事、上海市颗粒学会理事和中国复合材料学会微纳米复合材料专业委员会常务委员。

研究方向

从事聚合物复合材料的制备及应用，涉及无机颗粒表面处理、新型结构增强体的设计与制备及应用于聚合物中的界面调控及工程放大等。

研究成果及主要发表文章

1. Rong Yan, Fan Su, Ling Zhang*, and Chunzhong Li*, Highly Enhanced Thermal Conductivity of Epoxy Composites by Constructing Dense Thermal Conductive Network with Combination of Alumina and Carbon Nanotubes, Composites Part A，2019, 125, 105496.

2. Jianpeng Fang, Ling Zhang*, Chunzhong Li*, Polyamide 6 Composite with highly improved mechanical properties by PEI-CNT grafted Glass Fibers through interface wetting, infiltration and crystallization, Polymer, 2019, 172: 253-264.

3. Zhihui Wang, Ling Zhang,* Jin Liu, and Chunzhong Li*, Highly Stretchable, Sensitive and Transparent Strain Sensors with Controllable In-Plane Mesh Structure，ACS Applied Materials and Interfaces, 2019, 11(5): 5316–5324.

4. Zhihui Wang, Ling Zhang*, Jin Liu, Chunzhong Li*, Flexible Bimodal Sensor Based on Electrospun Nanofibrous Structure for Simultaneous Pressure-Temperature Detection, Nanoscale, 2019, 11(30): 14242-14249.

5. Shumeng Bi, Ling Zhang*, and Chunzhong Li*, Multifunction Films with Highly Oriented “Nano-bck Walls” Structure by Regulating Modified TiO2 @ Graphene oxide / Poly (vinyl alcohol) Nanocomposites, Nanoscale, 2019, 11(15):7424-7432.

6. Zhihui Wang, Ling Zhang,* Jin Liu, Hao Jiang, and Chunzhong Li*, Flexible hemispheric microarrays of highly pressure-sensitive sensors based on breath figure method，Nanoscale, 2018, 10 (22), 10691-10698.

7. Shasha Duan, Zhihui Wang, Ling Zhang,* Jin Liu, Chunzhong Li*, A Highly Stretchable, Sensitive, and Transparent Strain Sensor Based on Binary Hybrid Network Consisting of Hierarchical Multiscale Metal Nanowires, Advanced Materials Technologies, 2018, 3(6), 文献号 : 1800020，

8. Jing Ye, Jianpeng Fang, Ling Zhang*, Chunzhong Li. Transcrystalline Induced by MWCNTs and Organic Nucleating Agents at the Interface of Glass Fiber/Polypropylene. Polymer composites, 2018, 39(10): 3424-3433.

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10. Shasha Duan, Ling Zhang,* Mengting Chen, and Chunzhong Li* Fabrication of highly stretchable conductors based on 3D printed porous Poly(dimethylsiloxane) and Conductive Carbon Nanotubes/Graphene Network, ACS Applied Materials and Interfaces, 2016, 8(3): 2187–2192.

11. Mengting Chen, Ling Zhang* and Chunzhong Li*, Three-dimensional porous stretchable and conductive polymer composites based on graphene network grown by chemical vapour deposition and PEDOT:PSS coating, Chem. Commun., 51(15): 3169-3172, 2015

12. Mengting Chen, Ling Zhang* and Chunzhong Li*, Highly stretchable conductors integrated with a conductive carbon nanotube/graphene network and 3D porous poly(dimethylsiloxane), Adv. Func. Mater., 2014, 24(47): 7548–7556.

13. Mengting Chen, Ling Zhang*, Shasha Duan, Shilong Jing, Hao Jiang, Meifang Luo and Chunzhong Li*, Highly conductive and flexible polymer composites with improved mechanical and electromagnetic interference shielding performances, Nanoscale, 2014, 6(7): 3796-3803.

14. Xiaofang Han, Ling Zhang*, and Chunzhong Li*, Preparation of polydopamine- functionalized graphene/Fe3O4 magnetic composites with high adsorption capacities, RSC Adv., 2014, 4: 30536-30541.

15. Mengting Chen, Tao Tao, Ling Zhang*, Wei Gao, Chunzhong Li*, Highly conductive and stretchable polymer composites based on graphene/MWCNT network, Chem. Comm.,2013, 49(16): 1612-1614.

16. Tao Tao, Ling Zhang*, Chunzhong Li*, Functional mesoporous carbon coated CNTs network for high-performance supercapacitors, New J. Chem., 2013, 37(5): 1294-1297.

17. Jie Jin, Ling Zhang*, Wei Chen, Chunzhong Li, Synthesis of glass fiber-multiwall carbon nanotube hybrid structures for high-performance conductive composites, Polym. Composite, 2013, 34 (8): 1313-1320.

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19. Tao Tao, Ling Zhang, Ma Jan*, Chunzhong Li*, The production of flexible and electrically conductive polyethylene-carbon nanotube shish-kebab structures and their assembly into thin films, Ind. Eng. Chem. Res., 2012, 51 (15): 5456-5460.

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